ABSTRACT OF THE DISCLOSURE

Methods and apparatus for providing a projection system. In one embodiment, the system provides plurality of light sources collimating light using a parabolic concentrator. The system may direct light from a plurality of light sources towards a light collector which directs light towards a fresnel lens which directs light to a polarizing recombiner. The system may also usiethe recombiner to allow light having a first polarization to pass. The recombiner to convert light of a second polarization to light having the first polarization and letting converted light pass to an LCD image panel. In another embodiment, a projection system having a light source capable of achieving a bright, homogenized output is disclosed. The present invention provides such a projection system through at least two embodiments. The first projection system may use a cubic projection system. The second may use a conical projection system.